Special Issue

Parkinson's Disease: Genetics and Pathogenesis

Message from the Guest Editors

Parkinson's disease (PD) is a neurodegenerative disease, and the molecular mechanisms that lead to neurodegeneration is elusive.
It is becoming increasingly clear that genetic factors contribute to its complex pathogenesis. With the identification of disease-causing genes, many genes clearly linked to inherited forms of Parkinsonism have been identified. The polymorphic variants in these genes contribute to sporadic PD, the knowledge has revealed pathways of neurodegeneration that may be shared between inherited and sporadic PD. The mitochondrial dysfunction plays a central role in early-onset autosomal recessive PD forms. By contrast, alpha-synuclein accumulation in Lewy bodies defines a spectrum of disorders like PD dementia. However, the pathological role of Lewy bodies remains uncertain. Strengthening these discoveries and finding other convergence points by identifying new genes responsible for Mendelian forms of PD and exploring their functions and relationships is the main challenge for the next decade. In this issue, emerging lessons on PD pathogenesis from clinical, pathological, and genetic studies towards a unified concept of the disorder will be provided.

Guest Editors

Dr. Suzanne Lesage

Sorbonne Université, Institut du Cerveau—Paris Brain Institute—ICM, INSERM, CNRS, Assistance Publique Hôpitaux de Paris, Hôpital Pitié-Salpêtrière, CIC Neurosciences, 75013 Paris, France

Dr. Joanne Trinh

Institute of Neurogenetics, University of Lübeck, 23562 Lübeck, Germany

Deadline for manuscript submissions

closed (15 July 2022)

GCAT
TACG
GCAT

Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/79489

Genes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

mdpi.com/journal/genes

MDPI

GCAT
TACG
GCAT

Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/journal/genes

MDPI

About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Experimental Cancer Therapeutics, The University of Alabama at Birmingham, 1825 University Blvd., SHEL 814, Birmingham, AL 35294-2182, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))